

to allow access to utility vehicle **113** by worker **2003**. Access can include physical or remote access. If utility vehicle **113** is not able to communicate with fleet manager **601**, fleet manager **601** can deploy assistants to rescue utility vehicle **113**.

**[0101]** While the present teachings have been described in terms of specific configurations, it is to be understood that they are not limited to these disclosed configurations. Many modifications and other configurations will come to mind to those skilled in the art to which this pertains, and which are intended to be and are covered by both this disclosure and the appended claims. It is intended that the scope of the present teachings should be determined by proper interpretation and construction of the appended claims and their legal equivalents, as understood by those of skill in the art relying upon the disclosure in this specification and the attached drawings.

What is claimed is:

1. A utility execution system delivering goods from at least one starting point to at least one utility execution point, the utility execution system comprising:

- a plurality of system collectors, the system collectors forming a communications network, the system collectors accessing historic data associated with a proposed path between the at least one starting point and the at least one utility execution point, the plurality of system collectors including at least one utility vehicle, the at least one utility vehicle including at least one sensor and at least one storage container, the at least one storage container housing the goods, the historic data including vehicle data previously collected along the proposed path, the plurality of system collectors collecting real time data about the proposed path before and while the at least one utility vehicle navigates the proposed path, at least one of the plurality of system collectors updating the proposed path based at least on the vehicle data, the historic data, and the real time data; and
  - a processor continually updating, based at least on the historic data, the real time data, and the at least one sensor, the updated proposed path as the at least one utility vehicle navigates the updated proposed path from the at least one starting point to the at least one utility execution point.
2. The utility execution system as in claim 1 wherein the processor executes in the at least one utility vehicle.
3. The utility execution system as in claim 1 wherein the processor executes in a server.
4. The utility execution system as in claim 1 wherein the plurality of system collectors comprises:
- at least one autonomous vehicle.
5. The utility execution system as in claim 1 wherein the plurality of system collectors comprises:
- at least one beacon positioned along the updated proposed path, the at least one beacon receiving and transmitting data over the communications network.
6. The utility execution system as in claim 1 wherein the plurality of system collectors comprises:
- at least one beacon positioned along the updated proposed path, the at least one beacon providing fiducial information to the utility execution system.
7. The utility execution system as in claim 1 wherein the plurality of system collectors comprises:
- at least one vehicle operating on a city sidewalk.

8. The utility execution system as in claim 1 wherein the plurality of system collectors comprises:

- at least one vehicle operating on a rural street.

9. The utility execution system as in claim 1 wherein the at least one utility vehicle comprises:

- at least one localization subsystem detecting, based at least on the historic data and the real time data, the current location and situation of the at least one utility vehicle.

10. The utility execution system as in claim 1 wherein the at least one utility vehicle comprises:

- at least one localization subsystem detecting, based at least on the historic data, the current location and situation of the at least one utility vehicle.

11. The utility execution system as in claim 1 wherein the plurality of system collectors comprises:

- at least one wireless access point.

12. The utility execution system as in claim 1 wherein the at least one utility vehicle comprises:

- an obstacle subsystem locating at least one obstacle in the update proposed path, the obstacle subsystem updating the updated proposed path when the at least one obstacle is discovered.

13. The utility execution system as in claim 12 wherein the at least one utility vehicle comprises:

- a preferred route subsystem determining at least one preferred path between the at least one starting point and the at least one utility execution point based at least on the historic data and the real time data, the preferred route subsystem determining at least one avoidable path between the at least one starting point and the at least one utility execution point based at least on the number of the at least one obstacle in the updated proposed path.

14. The utility execution system as in claim 13 further comprising:

- a dispatching mechanism coupling the at least one delivery truck with the at least one utility vehicle, the dispatching mechanism tracking battery life in the at least one utility vehicle, the dispatching mechanism enabling the at least one utility vehicle to respond to a summons.

15. The utility execution system as in claim 1 wherein the at least one utility vehicle comprises:

- a road obstacle-climbing subsystem detecting at least one road obstacle, the road obstacle-climbing subsystem commanding the at least one utility vehicle to crest the at least one road obstacle, the road obstacle-climbing subsystem commanding the at least one utility vehicle to maintain balance and stability while traversing the at least one road obstacle.

16. The utility execution system as in claim 15 wherein the road obstacle comprises a curb.

17. The utility execution system as in claim 15 wherein the road obstacle comprises a step.

18. The utility execution system as in claim 1 wherein the at least one utility vehicle comprises:

- a stair-climbing subsystem detecting at least one stair, the stair-climbing subsystem commanding the at least one utility vehicle to encounter and traverse the at least one stair, the stair-climbing subsystem commanding the at least one utility vehicle to achieve stabilized operation while traversing the at least one stair.